## BEST AVAILABLE COPY

| , |        |
|---|--------|
| , , , ,                                 |        |
| 10                                      | 10-5-0 |
|   |        |
|   | -      |
| -                                       | 12     |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

| C           | lain     |                |          |  |  |  | Dat          | 0            |          |          |                |          |    | Cla      | im       | _  |  | _  |                | Dat  | е                |          |          | _        |          |    | Cla      | im         |          |          | _           |              | Dat          | е        | _        |              | _        | _            |
|-------------|----------|----------------|----------|--|--|--|--------------|--------------|----------|----------|----------------|----------|----|----------|----------|--|--|--|----------------|--|------------------|----------|----------|----------|----------|----|----------|------------|----------|----------|-------------|--------------|--------------|----------|----------|--------------|----------|--------------|
| 100         | Original | - Julian       | 9        |  |  |  |              |              |          |          |                |          |    | Final    | Original |  |  |  |                |  |                  |          |          |          |          |    | Final    | Original   |          |          |             |              |              |          |          |              |          |              |
| П           |          |                |          |  |  |  |              |              |          |          |                |          |    |          | 51       |  |  |  |                |  |                  |          |          |          |          |    | Г        | 101        |          |          |             |              |              |          |          |              |          | Г            |
|             |          | স              |          |  |  |  |              |              |          |          |                |          |    |          | 52       |  |  |  |                |  |                  |          |          |          |          |    |          | 102        |          |          |             |              |              |          |          |              |          |              |
|             |          | <u> </u>       | 1        |  |  |  |              |              |          |          |                |          |    |          | 53       |  |  |  |                |  |                  |          |          |          |          |    |          | 103        |          |          |             |              |              |          |          |              | Г        | Г            |
|             | _        | 7              | 7        |  |  |  |              |              |          |          |                |          |    |          | 54       |  |  |  |                |  |                  |          |          |          |          | ļ  |          | 104        |          |          |             |              |              |          |          |              |          |              |
| L           |          | ~1             |          |  |  | L  |              |              |          | _        | L_             |          |    |          | 55       |  |  |  |                |  |                  |          |          | Ш        |          |    |          | 105        | _        |          |             |              |              | <u>_</u> |          |              | 上        | L            |
| L           |          |                | /        |  | _  |  | <u> </u>     | <u> </u>     | _        | L        | _              | 丄        | Į  | <u></u>  | 56       |  |  |  | _              | <u> </u>   |                  |          |          | Ш        |          |    | L        | 106        |          |          | Ŀ           | <u> </u>     | L_           | <u> </u> |          |              | L        |              |
| L           | _        | 7              | _        |  | <u> </u>   |  | _            |              | _        | ļ.,      | _              | <u> </u> |    | Ľ        | 57       |  | <u> </u>   | _  |                | <u> </u>   | <u> </u>         |          |          |          | _        |    |          | 107        |          |          |             | <u> </u>     |              |          | ╙        | _            | <u> </u> | L            |
| L           | -        | -              | ~        | _  | _  |  | <u> </u>     | <u> </u>     | _        | ↓_       | _              |          | ļ  | <u>_</u> | 58       | _  | <u> </u>   |  | _              |  | _                |          | _        | _        | _        |    | _        | 108        |          | _        | ┡           | _            | <u> </u>     | <u> </u> | 1        | L            | ▙        | L            |
| L           | -        |                | <u> </u> | _  | L.   | <u> </u>   | <u> </u>     | ┞-           | 1_       | ↓_       | <u> </u>       | ļ        | •  | $\vdash$ | 59       |  | <u> </u>   |  | <u> </u>       | _  | ┞                | _        | Ļ        |          | <u> </u> |    | <u></u>  | 109        | _        | _        | <u> </u>    | _            | ╙            | <u> </u> | _        | <u> </u>     | ╄        | 1            |
| F           |          |                | ~        |  | <u>.</u>   |  |              |              | _        | ╄        | ┡              |          |    | -        | 60       | _  | <u> </u>   | <u> </u>   | ├_             | _  |                  | _        | _        | -        | _        |    | <u></u>  | 110        |          | _        | -           |              | ļ            | ļ        | ╄        | -            | ╄        | Ļ            |
| H           |          | 11             | V        | _  | . ~  | -  | -            |              |          |          | <del> </del> - | -        |    | -        | 61       |  |  | ļ.,  | <b>!</b> —     | ⊢  | <u> </u>         | _        | <u> </u> | ⊢        |          | =- | -        | 111        |          | ┝┷       |             | Ļ.           | <u> </u>     | <u> </u> | 1        |              | +-       | ╄            |
| Ŀ           | _        |                | V        | <u> -</u>  |  |  | ├-           |              | -        | -        | ŀ              | ┡        | .: | -        | 62       |  |  | _  | _              | <u> </u>   | -                | _        | -        | <u> </u> |          | 1  | H        | 112        |          | _        |             |              | Ŀ            | <u> </u> | <u> </u> | -            | ₽÷       | 1:           |
| $\vdash$    |          | 13             | Y        | ⊢  | _  | ⊢  | ⊢            | ⊢            | ⊢        | ┼        | ₩              | ⊢        | -  | <u>-</u> | 63       | ├  | -  | ├  | -              | ├  | -                | -        | -        | ┝        | _        |    | $\vdash$ | 113        |          |          |             | <u> </u>     | <u> </u>     | ├        | ⊢        | ┡            | ╀        | ┼-           |
| $\vdash$    |          | 4              | _        | -  | <b>-</b>   | $\vdash$   | ⊢            | ├            | ⊢        | ╁        | ╀              | ╁        | -  | -        | 64       | <u> </u>   | -  | -  |                | 1  | -                | -        | -        | ┢        | _        | 1  | $\vdash$ | 114        |          | _        | -           |              | ├            | -        | -        | -            | ╀        | ╄-           |
| $\vdash$    | -        | )<br>6         | =        | -  | -  | ⊢  | ⊢            | -            | ⊢        | ╁        | ╀              | ╁        | -  | $\vdash$ | 65       | -  | -  | -  | -              |  | ┢                | H        | -        |          | -        | 1  | $\vdash$ | 115        | -        | ⊢        |             | -            | <u> </u>     | <u> </u> | ₩        | ▙            | ⊢        | ╀            |
| ŀ           |          | 16<br>17       | Ξ        | ├-   | ├  | ├  | ├            | ⊢            | ⊢        | ┼-       | ╁              | ┼        | ┪  | $\vdash$ | 66<br>67 | ├-   | ⊢  | -  | -              | ├  | ├                |          | -        | -        | ├-       | 1  | -        | 116        | _        | ├-       | _           | -            | ├-           | ├-       | ╄        | -            | ├-       | ╀            |
| 1           |          | 18             | =        | ├-   | ├  | ├  | ┝            | ┼            | $\vdash$ | ╀        | ╁              | +        | -  | $\vdash$ | 68       | -  | ⊢  | ⊢  | ⊢              | ⊢  | ╁                | $\vdash$ | $\vdash$ | -        |          | ł  | -        | 118        | _        | ┝        | -           | -            | H            | -        | -        | -            | ╁        | ╀            |
| 1           |          | _              | =        | ├  | ┝  | -  | ┢            | ┼-           | -        | +-       | ┼-             | $\vdash$ | 1  | $\vdash$ | 69       |  | ┢  | ┢  | ┝              | ┢  | -                | ⊨        | ├-       | ├        | ├        | ┨  | $\vdash$ | -          | -        | $\vdash$ | $\vdash$    | -            | <del> </del> | ├        | ╀        | -            | ╁        | ╀            |
| H           | -        | 19             | 7        | ┝  | }—   | <b></b> -  | ┢            | ₩            | ╀        | ╀        | ╁              | ┼        | ┨  | -        |          | -  | ├-   | 1  | -              | ⊢  | ┢                | -        | ⊢        |          | -        | 1  | <u> </u> | 119        |          | -        | ├           | -            | ⊢            | _        | ⊢        | ├-           | ⊢        | ╀            |
| Ĺ           | _        | 20             |          | ┡  | Į.   | ļ  | ↓            | <del> </del> | 1_       | ╀        | ┺              | ╄        |    | <u> </u> | 70       | -  | <u> </u>   | ļ  | <u> </u>       | ▙  | ▙                | <u> </u> | <u> </u> | Ŀ        | <u> </u> |    | <u> </u> | 120        | -        | <u> </u> | <u> </u>    |              | _            | L.       | ļ        | ┡            | ╄        | ╄            |
| k           | _        | 21             | "        | ļ  | ļ  | ┞  | ├-           | ļ            | ļ        | ↓_       | 1_             | ↓_       |    | <u>_</u> | 71       |  | ļ  | -  | ⊢              | ┞  | ├                | ļ        | <u> </u> | _        | <u> </u> | 1  | <u></u>  | 121        | -        | _        |             | L            | <u> </u>     | L        | ┞-       | <u> </u>     | ╄        | ╄            |
| 1           |          | 22             |          | ⊢  | ┞  | ├-   |              | ⊢            | ├-       | ∔-       | ╄              | ╄-       | -  | -        | 72       | ├  | -  | <u> </u>   | ļ              | L  | ┡                | -        | <u> </u> | -        | -        | ł  | -        | 122        |          | <u> </u> | ⊢           | ⊢            | <u> </u>     | <u> </u> | ├        | ـ            | ـ        | ╀            |
| <u>'</u>  - | _        | 23             | _        | ╄  | ┡  | 1  | ⊢            | ╀            | -        | ┼-       | ╄              | -        | -  | -        | 73<br>74 | _  | ├  | ├  | <del> </del> — | -  | ┝                | <u> </u> | <u> </u> | -        | -        | ł  | -        | 123        |          | _        | ⊢           | <b>!</b>     | -            | ├-       | ┾        | <u> </u>     | ╀        | ╀            |
| F           |          | 24             | _        | -  | ┼  | 1  | ▙            | ╀            | ╀        | ╀        | ╀              | ╀        | -  | -        | 75       |  | ├  | <b></b> -  | ├-             | ⊢  | ⊢                | ⊢        | <u> </u> | $\vdash$ | ┝        | 1  | -        | 124        | 1—       | -        | _           | _            | <u> </u>     | -        | <b>├</b> | ┡            | <u> </u> | ╄            |
| H           |          | 25<br>26       | _        | -  | +-   | ⊢  | -            | +-           | ╄        | +-       | ╀              | +        | 1  | -        | 76       | -  | -  | ļ.   | -              | Η.   | -                | H        | ⊢        | -        | -        | 1  | -        | 125        | -        | ┡        | H           | ⊢            | ├            | ⊢        | ┼        | ┷            | ₩        | ╀            |
| $\vdash$    |          | 20<br>27       | -        | ╀  | ⊢  | ┢┈   | <del> </del> | ╀            | ╀        | ╀        | ╀              | ╀        | ┨  | $\vdash$ | 77       | $\vdash$   | $\vdash$   |  | -              | -  | H                | ⊢        | ┝        | F        | -        |    | $\vdash$ | 126        | _        | _        |             | -            |              | -        | -        |              |          | ₽            |
| $\vdash$    | _        | 28             | H        | -  | ╁╌   | ┼-   | ├-           | ╁            | ╀        | ╀        | +-             | ╁        | 1  | $\vdash$ | 78       | ⊢  | ⊢  | H  | ├              | ├  |                  |          | $\vdash$ | $\vdash$ | $\vdash$ | ł  | $\vdash$ | 127<br>128 | <u> </u> |          | _           | ├            | -            |          | ┝        | ├            | ├        | ╀            |
| $\vdash$    | _        | 29             | <u></u>  | $\vdash$   | -  | -  | ╌            | ╀            | ╁┈       | ╁        | ╁╌             | ╁        | ┨  | $\vdash$ | 79       | -  | -  | ┢  | ╁              | ├  | <u> </u>         |          | -        | -        | ⊢        | ł  | $\vdash$ | 129        | $\vdash$ |          | -           | ⊢            |              | -        | ├-       | <del> </del> | ╀        | ╀            |
| H           |          | 30             | H        | ┼  | ⊢  | ╀  | ╁            | ╁            | +        | +        | ╆╌             | ╁        | ł  | $\vdash$ | 80       | -  | -  | ╁  | ├              | ⊢  | -                |          | -        | -        | -        | 1  | -        | 130        | H        | -        |             | $\vdash$     | ┝            | ⊢        | ⊢        | ├-           | ⊢        | ╀            |
| H           |          | 31             | -        | $\vdash$   | ⊢  | ┢  | ╀            | ╁            | ╁        | ╂╌       | ╁              | +        | 1  | $\vdash$ | 81       | <del></del>                                      | ٠  | ┝╌   | ┢              | $\vdash$   | -                |          | -        | $\vdash$ |          | 1  | $\vdash$ | 131        | -        | _        | ┝           | -            | -            | ┢        | ╁        |              | ₩        | ╁            |
| $\vdash$    | _        | 32             | _        | $\vdash$   | <u> </u>   | ┝  | ├            | ╁            | ╁        | ╁╴       | +              | -        | 1  | $\vdash$ | 82       |  |  |  | ┢              | $\vdash$   | $\vdash$         | $\vdash$ | -        | H        |          |    | -        | 132        | -        |          | ⊢           | -            | $\vdash$     | $\vdash$ |          |              | ⊢        | ╁            |
| $\vdash$    |          | 33             | _        | ┢  | ╁  | ╁  | <del> </del> | ╁            | H        | ╁╌       | ╁              | ╁        | 1  | $\vdash$ | 83       |  | ⊢  | -  | -              | ┢  | ┢                | Н        | $\vdash$ | Н        | H        |    | _        | 133        | -        | -        | $\vdash$    | -            | <del>-</del> | -        | -        | $\vdash$     | ⊢        | ╁            |
| $\vdash$    | _        | 34             | _        | $\vdash$   | $\vdash$   | ┢  | ╁╌           | ╁            | 1        | ╁╌       | ╁              | +-       | 1  | $\vdash$ | 84       | Н  |  | -  | -              | $\vdash$   | ┢                |          | $\vdash$ | Н        | _        |    | $\vdash$ | 134        | _        |          | ⊢           | -            | ┢            | -        | ╁        | -            | -        | ╁            |
| H           |          | 35             |          | <del>                                     </del> | <del>                                     </del> | ╁╴   | $\vdash$     | ╁╌           | ╁        | ╁        | 十              | ╁╌       | 1  | $\vdash$ | 85       |  |  | $\vdash$   | -              |  | ┝                | $\vdash$ |          | Н        |          |    | $\vdash$ | 135        | _        |          | H           | <u> </u>     | $\vdash$     |          | $\vdash$ | ⊢            |          | ╁            |
| $\vdash$    |          | 36             |          | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | $\vdash$     | ╁            | H        | +        | ╁              | +        | 1  | $\vdash$ | 86       |  | <del>                                     </del> | $\vdash$   |                | <del>                                     </del> | $\vdash$         | $\vdash$ |          | -        |          | ĺ  | -        | 136        |          | _        | <u> </u>    | -            |              |          | ⊢        | $\vdash$     | $\vdash$ | +            |
| H           |          | 37             |          | ┢  | <u> </u>   | <del> </del>                                     | ┢            | -            | H        | $\vdash$ | ╁╴             | +-       | 1  | -        | 87       |  | <del> </del>                                     | $\vdash$   |                | ⊢  | $\vdash$         | -        |          | Н        | _        | 1  | $\vdash$ | 137        | _        |          | <del></del> | _            |              |          | ┢        | $\vdash$     | ┢        | ╁            |
| H           |          | 38             | -        | $\vdash$   | -  | H  | $\vdash$     | ╁            | H        | +        | ╁              | 1        | 1  | -        | 88       |  | ┢  | _  | $\vdash$       | $\vdash$   | $\vdash$         |          | -        | H        |          | 1  | $\vdash$ | 138        | _        | -        |             | -            |              | _        | $\vdash$ | $\vdash$     | ┢        | ╁            |
| H           | -        | 39             | _        | ├-   | 1  | ╁╌   | 1            | -            | $\vdash$ | $\vdash$ | 十              | +        | 1  | $\vdash$ | 89       |  | Н  | -  | -              | $\vdash$   |                  |          |          | Н        | _        |    | $\vdash$ | 139        |          |          |             | -            |              |          | $\vdash$ | H            | H        | ╁            |
| H           | _        | 10             |          | ┢  | <b>†</b>   | ┢  | $\vdash$     | ╁┈╴          | 1        | +        | ┢              |          |    |          | 90       |  | $\vdash$   | <del>                                     </del> |                | $\vdash$   | H                |          |          | П        |          |    | -        | 140        |          |          | _           | $\vdash$     |              | -        | ├        | -            | H        | ╁╌           |
| $\vdash$    |          | 41             |          | -  | -  |  | -            | ļ            | ┼-       | +        | +-             |          | 1  | $\vdash$ | 91       |  | ┝  | _  |                | $\vdash$   | ┝                | -        | $\vdash$ | Н        |          |    | -        | 141        | -        |          |             | <del> </del> |              | -        | -        | ┢            | ┢        | ╁            |
| $\vdash$    |          | 12             | _        | ╁╌   | -  | <u> </u>   | ┢            | ├            | ╀        | ╀        | ╀╌             | ╁        | 1  | -        | 92       | -  |  |  | -              | -  |                  | Н        | -        | $\vdash$ | _        |    | ⊢        | 142        |          |          | -           | $\vdash$     |              |          |          |              | -        | <del> </del> |
| $\vdash$    | +        | 43             | _        | ├  | ╁  | ┢  | ╁─           | ╁            | ╁╌       | ╁        | ╁╴             | ╁╴       | 1  | $\vdash$ | 93       |  | ┢  | ├  | -              | ├  | -                |          |          | $\vdash$ | -        |    | -        | 143        |          | _        | _           | -            |              |          | -        |              | $\vdash$ | ╀            |
| +           |          | +3<br>44       |          | ├-   | $\vdash$   | +  | +            | +            | ╁        | +        | +              | $\vdash$ | 1  | $\vdash$ | 94       |  | ╁  | $\vdash$   | +              | Η-   | <del> </del>     | H        | H        | Н        | _        |    | $\vdash$ | 144        |          | -        | -           | -            | Н            |          | $\vdash$ | ┝            | $\vdash$ | +-           |
| +           |          | 45             |          | ╁  | $\vdash$   | $\vdash$   | ⊢            | ┢            | $\vdash$ | ╁        | +              | +-       | 1  | $\vdash$ | 95       |  | ┢  | $\vdash$   |                | $\vdash$   | <del>  -  </del> | H        | $\vdash$ | Н        |          |    | $\vdash$ | 145        |          | -        | _           | ├            | H            |          | -        | $\vdash$     | $\vdash$ | +            |
| H           |          | +5<br>46       | _        | $\vdash$   | $\vdash$   | ╁  | ╁            | +            | ╁        | +        | +              | ╁        | 1  | $\vdash$ | 96       | -  | <del>                                     </del> | $\vdash$   |                | $\vdash$   | +                | -        |          | Н        | _        | 1  | -        | 146        |          | _        |             | ├            | Η-           |          | ⊢        | ⊢            | ⊢        | $\vdash$     |
| +           |          | <del>1</del> 7 | -        | $\vdash$   | +  | $\vdash$   | ╁            | ╁╌           | ╁        | +-       | ╁              | +        | 1  | $\vdash$ | 97       | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$         | -        | $\vdash$ | Н        | _        | 1  | $\vdash$ | 147        |          | -        |             | $\vdash$     | -            | $\vdash$ | $\vdash$ | $\vdash$     | ⊢        | $\vdash$     |
| +           |          | */<br>48       | -        | $\vdash$   | +  | ╁  | +-           | $\vdash$     | ╁        | ╁        | ╁╴             | +        | 1  | $\vdash$ | 98       | -  |  | ┢  | +-             | -  | ┢                | -        |          | Н        | -        | l  | $\vdash$ | 148        |          | -        | _           |              | $\vdash$     | $\vdash$ | -        | <u> </u>     | ⊢        | ╁            |
| +           |          | 49             | $\vdash$ | $\vdash$   | ╁╌   | $\vdash$   | $\vdash$     | $\vdash$     | +-       | 十        | t              | 1-       | 1. | $\vdash$ | 99       | 1  | $\vdash$   | $\vdash$   | t              | $\vdash$   | -                |          | $\vdash$ | $\vdash$ | -        |    | -        | 149        |          | _        | <u> </u>    | $\vdash$     | $\vdash$     | -        | -        | $\vdash$     | $\vdash$ | $\vdash$     |
| +           |          | 50             | Η-       | 1  | $\vdash$   | t  | $\vdash$     | +            | t        | +-       | †              | T        | 1  | $\vdash$ | 100      |  | ✝  | H  | $\vdash$       | $\vdash$   | t                |          | $\vdash$ | Н        | $\vdash$ | İ  | -        | 150        | Н        |          | _           | $\vdash$     | H            | H        | -        | $\vdash$     | ⊢        | $\vdash$     |
| _           |          |                | _        |  | _  | +-   |              |              | -        |          | _              | _        | _  | _        |          | •—   |  |  | 4              | •  | _                |          |          |          | _        |    |          | ستن        |          |          |             |              |              |          |          |              |          |              |

If more than 150 claims or 10 actions staple additional sheet here